

Jinyue Luo

The University of Chicago
E-mail: jinyue@uchicago.edu

EDUCATIONAL BACKGROUND

The University of Chicago	Chicago, U.S.	09/2019-present
PhD of Mathematics	Advisor : Frank Calegari	
The University of Chicago	Chicago, U.S.	09/2019-06/2020
Master of Mathematics		
Peking University	Beijing, China	09/2015-06/2019
Bachelor of Science, School of Mathematical Sciences		

RESEARCH INTEREST

Number Theory : modular forms and Galois representations.

PREPRINT

Pseudorepresentations not arising from genuine representations (<https://arxiv.org/abs/2310.16953>)

Abstract: We show that a pseudo representation of a finite group G need not arise from a genuine representation, even if one is allowed to extend the ring A . This shows that a theorem of the “embedding problem” for residually multiplicity free pseudorepresentations can not be extended to the general setting.

RELEVANT TECHNICAL SKILLS

- Latex, Magma, Mathematica, Sage, Pari/gp

SELECTED AWARDS & HONORS

- Outstanding Graduates of Beijing 2019
- Role-model for Merit Student of Peking University 2016,2017,2018
- National Scholarship 2016
- 1st Prize in National High School Math Leagues, Gold Medal of Chinese Mathematical Olympiad, selected into the National IMO Training Team 2014
- Gold Medal of 13th Chinese Western Mathematics Invitation Competition, 1st Place, first female in history 2013
- Gold Medal of 13th Chinese Girls Mathematical Olympiad, 1st Place 2014

TEACHING

The University of Chicago Chicago, U.S.

Graduate Student Lecturer

Math 15300(Calculus III) 09/2023- 12/2023

Graduate Student Lecturer

Math 15200/15300(Calculus II, III) 09/2022- 03/2023

Graduate Student Lecturer

Math 13100/13200/13300 (Calculus I,II, III) 09/2021- 06/2022

Teaching Assistant

Math 25700/25800/25900 (Honor Algebra I, II,III) 09/2020 - 06/2021